

LONG BRANCH PUBLIC SCHOOLS

Pacing Guide - 6th Grade

Marking Period 1					ELA Common Core Standards							
Day	Unit	Topic	Desired Outcome	NGSS	Reading	Writing	S & L	Math	21st Century	Technology		
Opening Day 1			Rules, Procedures, Syllabus									
Opening Day 2			Safety									
1	Unit 1	Ecosystems	Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem	LS2-1	RST. 6-8.1, RST. 6-8.7, RST. 6-8.8, RI 8.9	WHST.6-8.1, WHST.6-8.2, WHST.6-8.9	SL.8.1, SL 8.4, SL 8.5	MP.4, 6.RP.A.3, 6.EE.C.9, 6.SP.B.5	9.1	8.1 & 8.2		
2												
3			Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems	LS2-2								
4			Develop a model to describe the cycling of matter a flow of energy among living and nonliving parts of the ecosystem	L2-3								
5		Summative Unit Assessment & Introduction to Green School Project 1			LS2-1, LS2-2, L2-3							
6												
7	Unit 2	Biodiversity and Populations	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations	LS2-4	RST. 6-8.1, RST. 6-8.7, RST. 6-8.8, RI 8.9	WHST.6-8.1, WHST.6-8.2, WHST.6-8.9	SL.8.1, SL 8.4, SL 8.5	MP.4, 6.RP.A.3, 6.EE.C.9, 6.SP.B.5	9.1	8.1 & 8.2		
8												
9												
10												
11		Evaluate completing design solutions for maintaining biodiversity and ecosystem services	LS2-5									
12		Summative Unit Assessment			LS2-4, LS2-5							
13	Unit 3	Biological Evolution	Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws	LS4-1	RST. 6-8.1, RST. 6-8.7, RST. 6-8.9	WHST.6-8.1, WHST.6-8.2, WHST.6-8.9	SL 8.4	MP.4, 6.RP.A.1, 6.SP.8.5, 6.EE.B.6, 7.RP.A.2	9.1	8.1 & 8.2		
14												
15			Apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships	LS4-2								
16			Analyze displays of pictorial data to compare patterns of similarities in the embryological developments across multiple species to identify relationships not evident in the fully formed anatomy	LS4-3								
17			Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment	LS4-4								
18		Summative Unit Assessment & Completion of Green School Project 1			LS4-1, LS4-3, LS4-2, LS4-4							

Marking Period 2										
Day	Unit	Topic	Desired Outcome	NGSS	ELA Common Core Standards					
					Reading	Writing	S & L	Math	21st Century	Technology
1	Unit 4	Earth and the solar system	Develop and use a model of the Earth-Sun-moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons	ESS1-1,	RST.6-8.1, RST.6-8.7	WHST.6-8.2	SL.8.5	MP.2, MP.4, 6.RP.A.1, 7.RP.A.2, 6.EE.B.6, 7.EE.B.4	9.1	8.1 & 8.2
2										
3										
4										
5										
6	Summative Unit Assessment & Introduction to Green School Project 2			ESS1-1, ESS1-2						
7	Unit 5	Scale and dimensions	Analyze and interpret data to determine scale properties of objects in the solar system	ESS1-3	RST.6-8.1, RST.6-8.7	WHST.6-8.2	SL.8.5	MP.2, MP.4, 6.RP.A.1, 7.RP.A.2, 6.EE.B.6, 7.EE.B.4	9.1	8.1 & 8.2
8										
9										
10										
11										
12	Summative Unit Assessment			ESS1-3, ESS1-4						
14	Unit 6	Earth's resources	Construct a scientific explanation based on evidence for how the uneven distribution of Earth's mineral, energy and ground water resouces are the result of past and current geoscience processes	ESS3-1	RST.6-8.1, RST.6-8.7	WHST.6-8.1, WHST.6-8.2, WHST.6-8.7, WHST.6-8.8, WHST.6-8.9	SL.8.5	MP.2, MP.4, 6.RP.A.1, 7.RP.A.2, 6.EE.B.6, 7.EE.B.4	9.1	8.1 & 8.2
15										
16										
17										
18	Summative Unit Assessment & Completion of Green School Project 2			ESS3-2						
19	Summative Unit Assessment & Completion of Green School Project 2			ESS3-1, ESS3-2						
20	Review for Midpoint Assessment									
21	Midpoint Assessment									
22	Midpoint Assessment									

